## Physiology/Night Flight Review

1.	What is meant by the term hypoxia?
2.	What is the pressure exerted against the body by the atms. @ sea level?
3.	What is meant by the term partial pressures when related to hypoxia?  N2= 78% O2= 21% atmosphere pr. @ sea level  18,000' 40,000'
4.	What is the difference between breathing vs respiration? How does an animal exchange O2/CO2? a. osmosis b. diffusion
5.	What occurs when partial pressures of the <u>essential</u> gases are not at a high enough concentration to pass through the alveoli into the bloodstream?
6.	At what altitude is partial use of O2 needed in the cockpit?(pilot)>_ min.
7.	At what altitude must the pilot use O2 for the entire flight?
8.	At what altitude must passengers have available O2?
9.	What is the difference between SPATIAL DISORIENTATION vs VERTIGO?
	Spatial Dis Vertigo
10.	Why is night flight with no horizon, moon, reference pts. etc. IFR skills?
11.	Flying directly into the sun with hazy conditions may cause what condition?
12.	What may occur flying over water, along a beach at night, or VFR on top?
13.	When transitioning from the VFR environment to IFR, what is the time span in seconds that it normally takes before a pilot can become disorientated?
14.	What hood/actual time under the new FAR's <u>must</u> be taken with the instructor before attaining a Private? Inst. Rating? Comm
15.	If one experiences either vertigo/spatial disorientation, what must one do to regain control of the AC. and his/her emotions?
16.	What physiological condition may one encounter if one has HIGH levels of anxiety or stress in the flight. regime?
17.	What is the recommended treatment. for such condition?
18.	At what alt. does hypoxia become a factor at night?' Why?
19.	What is Ear, Tooth squeeze?
20	How long does it take the eyes to adapt to total night vision?( minutes)

21	Why do we try to use RED LIGHT in the cockpit?
22.	What is FLICKER VERTIGO ? When is it most likely to occur?,,,
23.	At night while taxing in a high traffic area, (RDU), why is it professional/smart to keep the strobes off?& also 8NC8
24.	Why is it more of a challenge to land at 8NC8@ night?,